

**REMARKS**

Enclosed herewith in full compliance with 37 C.F.R. §§1.821-1.825 is a Substitute Sequence Listing to be inserted into the specification as indicated above. The Substitute Sequence Listing in no way introduces new matter into the specification. Also submitted herewith in full compliance with 37 C.F.R. §§1.821-1.825 is a disk copy of the Substitute Sequence Listing. The disk copy of the Sequence Listing, file "2004-07-26 1217-0156P.ST25.txt", is identical to the paper copy, except that it lacks formatting.

The substitute Sequence Listing has been updated to include descriptions of the Artificial Sequences. These descriptions come directly from the specification as filed. No new matter is introduced by these amendments.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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LRS/PSQ  
1217-0156P

Attachments: Disk and paper copy of substitute Sequence Listing  
Copy of Notification of Defective Response

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on: July 26, 2004  
(Date of Deposit)

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

Sandy B. Kulis  
(Signature)  
July 26, 2004  
(Date of Signature)